



SEQUENCE LISTING

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B1
<110> EVERETT, NICHOLAS P.
LI, QUNIGSHUN
LAWRENCE, CHRISTOPHER
DAVIES, MAELOR H.

<120> PEPTIDES WITH ENHANCED STABILITY TO PROTEASE
DEGRADATION

<130> INTERLINK 3.0-003

<140> 09/432,546

<141> 1999-10-29

<150> 60/106,373

<151> 1998-10-30

<150> 60/106,573

<151> 1998-11-02

<160> 27

<170> PatentIn Ver. 2.1

<210> 1

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
antimicrobial peptide

<400> 1

Met Gly Ile Gly Lys Phe Leu Arg Glu Ala Gly Lys Phe Gly Lys Ala
1 5 10 15

Phe Val Gly Glu Ile Met Lys Pro
20

<210> 2

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
antimicrobial peptide

<400> 2

Ile Leu Pro Trp Lys Trp Pro Trp Trp Pro Trp Arg Arg
1 5 10

<210> 3

<211> 13

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<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
antimicrobial peptide

<400> 3
Ile Leu Lys Lys Trp Pro Trp Trp Pro Trp Arg Arg Lys
1 5 10

<210> 4
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<212> PRT
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
antimicrobial peptide

<400> 4
Arg Arg Trp Pro Trp Trp Pro Trp Lys Trp Pro Leu Ile
1 5 10

<210> 5
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
antimicrobial peptide

<400> 5
Ser Arg Arg Trp Pro Trp Trp Pro Trp Lys Trp Pro Leu Ile
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<210> 6
<211> 26
<212> PRT
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
antimicrobial peptide

<400> 6
Arg Arg Trp Pro Trp Trp Pro Trp Lys Trp Pro Leu Ile Gly Gly Gly
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Tyr Asp Pro Ala Pro Pro Pro Pro Pro Pro
20 25

<400> 10
Arg Pro Gly Gly Gln Ile Ala Ile Ala Ile Gly Glu Ser Ile Arg Lys
1 5 10 15

Lys Ala Ser Asn Glu Leu Lys Lys Ala Thr Lys Ser Leu Trp Ser
 20 25 30

<210> 11
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 <213> Artificial Sequence

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 <223> Description of Artificial Sequence: Synthetic
 antimicrobial peptide

<400> 11
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 1 5 10 15

Lys Ile Ile Gly Asp Arg Ile Asn Gln Gly Val Lys Glu Ile Lys Lys
 20 25 30

Phe Leu Lys Trp Lys
 35

<210> 12
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 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 antimicrobial peptide

<400> 12
 Asn Ala Phe His Glu Ala Leu Gly Lys Ala Leu Gly Lys Leu Ala Ser
 1 5 10 15

Lys Gly Ala Ser Leu Ile Ser Ala Gly Ile Gly
 20 25

<210> 13
 <211> 23
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 antimicrobial peptide

<400> 13
 Gly Ile Gly Lys Phe Leu His Ser Ala Lys Lys Phe Gly Lys Ala Phe
 1 5 10 15

Val Gly Glu Ile Met Asn Ser
 20

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<210> 14
 <211> 13
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic antimicrobial peptide

<400> 14

Arg Arg Trp Pro Trp Trp Pro Trp Lys Trp Pro Leu Ile
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<210> 15
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 <212> DNA
 <213> Artificial Sequence

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<223> Description of Artificial Sequence: Oligonucleotide

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<210> 16
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 <212> DNA
 <213> Artificial Sequence

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<400> 16

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<210> 17
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 <212> DNA
 <213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

<400> 17

gactggagct cttaaataag aggccatttc caaggccacc aaggccatct cct

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<210> 18
 <211> 32
 <212> DNA
 <213> Artificial Sequence

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<210> 19

<211> 54

<212> DNA

<213> Artificial Sequence

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<210> 20

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
antimicrobial peptide

<400> 20

Leu Pro Gln Pro Glu Ala Ser Ala Asp Glu Gly Val Asp Glu Arg Glu
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Leu His Ser

<210> 21

<211> 88

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:
Oligonucleotide

<400> 21

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gctccattct aggagatggc cttggtgg 88

<210> 22

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:
Oligonucleotide

<400> 22
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29

<210> 23
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 23
acgaagctta ccatgggatt ttttctc

27

<210> 24
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 24
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36

<210> 25
<211> 207
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: DNA PCRIL
construct

<400> 25
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ttcctaataa tatctcactc ttctcatgcc caaaactctc aacaagacta ttggatgcc 120
cataacacag ctctgtcaga tgtaggcgtg gctgcagcta agattaggag atggccttgg 180
tggccttgga aatggcctct tatttaa 207

<210> 26
<211> 68
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Amino acid
PCRIL construct

<400> 26
Met Gly Phe Phe Leu Phe Ser Gln Met Pro Ser Phe Phe Leu Val Ser
1 5 10 15

Thr Leu Leu Leu Phe Leu Ile Ile Ser His Ser Ser His Ala Gln Asn
 20 25 30

Ser Gln Gln Asp Tyr Leu Asp Ala His Asn Thr Ala Arg Ala Asp Val
 35 40 45

Gly Val Ala Ala Ala Lys Ile Arg Arg Trp Pro Trp Trp Pro Trp Lys
 50 55 60

Trp Pro Leu Ile
 65

<210> 27

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 cleavage site

<400> 27

Ala Ala Lys Ile
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